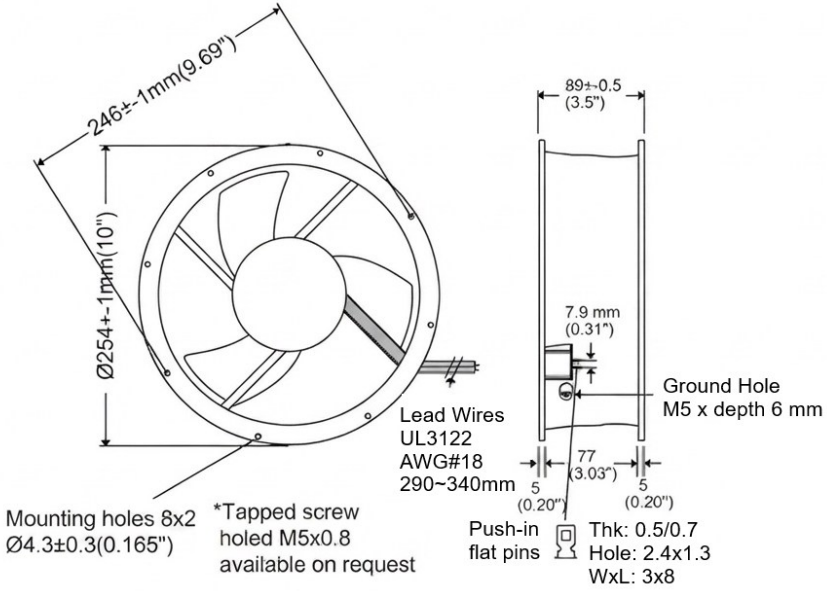
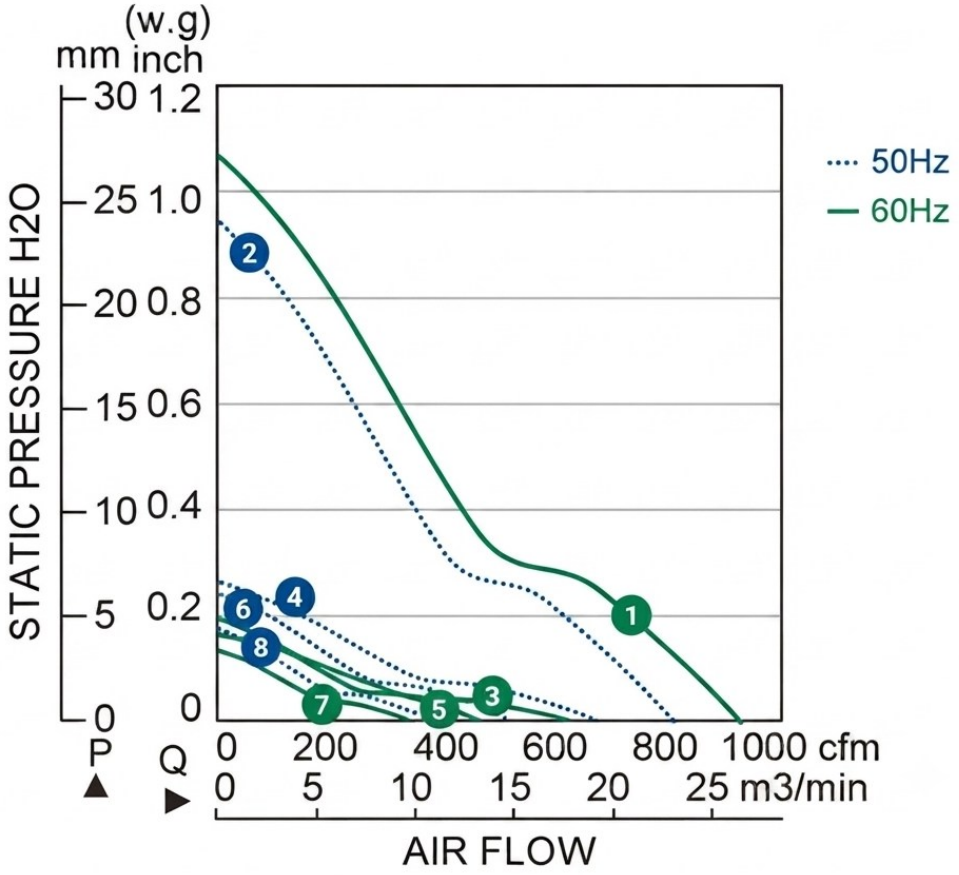
## EA2589CM (3) IP68 / IP69K Series.

AC Capacitance Induction Motor / Thermally Protected
Size: Ø 254 x 89 mm
Ø 10 x 3.5 Inches
Airflow: Max 930 CFM / 26.3 m³/Min
Aluminum Frame / Metal Impeller

## Dimensions Drawing:




## Performance P-Q Curves:




| Mechanical | |
|---|---|
| Connection : | Lead wires or Terminal Type |
| Weight : | 2,350 g (5.18 Lbs) |
| **Electrical** | |
| Dielectric Strength : | 1,500VAC/min, 1mA, 50/60 Hz |
| Insulation Resistance : | Over 100MΩ at DC 500V |
| Signal Output : | Option : FG, RD... |

| Enviroment | |
|---|---|
| Operating Temp : | -30C~+80C |
| Storage Temp : | -40C~+100C (at 65%RH) |
| Life Expectancy : | L10 50K hours at 55C |

| Model No | Rated Voltage VAC | Voltage Range VAC | Freq Hz | Input Power Watt | Ref. Speed RPM | Max. Airflow CFM | Max. Airflow m3 / min | Max. Static Pressure Inch / H2O | Max. Static Pressure mm / H2O | Noise Level db(A) | PQ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| EA2589CM-11H**(3)(68) | 115 | 100~120 | 50 / 60 | 95 / 105 | 2800 / 3300 | 800 / 930 | 22.7 / 26.3 | 0.96 / 1.07 | 24.38 / 27.18 | 67 | 2/1 |
| EA2589CM-11CM**(3)(68) | 115 | 100~120 | 50 / 60 | 80 / 95 | 2300 / 2250 | 670 / 615 | 19 / 17.4 | 0.25 / 0.20 | 6.35 / 5.08 | 56 | 4/3 |
| EA2589CM-11L**(3)(68) | 115 | 100~120 | 50 / 60 | 32 / 40 | 1500 / 1700 | 400 / 450 | 11.3 / 12.7 | 0.22 / 0.28 | 5.59 / 7.11 | 49 | 6/5 |
| EA2589CM-11LL**(3)(68) | 115 | 100~120 | 50 / 60 | 24 / 33 | 1200 / 1100 | 370 / 340 | 10.5 / 9.6 | 0.18 / 0.15 | 4.57 / 3.81 | 37 | 8/7 |
| EA2589CM-22H**(3)(68) | 230 | 200~240 | 50 / 60 | 95 / 105 | 2800 / 3300 | 800 / 930 | 22.7 / 26.3 | 0.89 / 1.10 | 22.61 / 27.94 | 67 | 2/1 |
| EA2589CM-22CM**(3)(68) | 230 | 200~240 | 50 / 60 | 80 / 95 | 2300 / 2250 | 670 / 615 | 19 / 17.4 | 0.25 / 0.20 | 6.35 / 5.08 | 53 | 4/3 |
| EA2589CM-22L**(3)(68) | 230 | 200~240 | 50 / 60 | 32 / 40 | 1500 / 1700 | 400 / 450 | 11.3 / 12.7 | 0.22 / 0.28 | 5.59 / 7.11 | 48 | 6/5 |
| EA2589CM-22LL**(3)(68) | 230 | 200~240 | 50 / 60 | 24 / 33 | 1200 / 1250 | 370 / 385 | 10.5 / 10.9 | 0.18 / 0.15 | 4.57 / 3.81 | 35 | 8/7 |
| EA2589CM-44H** (380)(3)(68) | 380 | 380~420 | 50 / 60 | 95 / 105 | 2800 / 3280 | 800 / 930 | 22.7 / 26.3 | 0.96 / 1.07 | 24.38 / 27.18 | 67 | 2/1 |
| EA2589CM-44H** (3)(68) | 440 | 440~480 | 50 / 60 | 95 / 105 | 2800 / 3280 | 800 / 930 | 22.7 / 26.3 | 0.96 / 1.07 | 24.38 / 27.18 | 67 | 2/1 |

** = "WB" for wire lead type Ball bearing or "TB" for Terminal type Ball bearing.
We reserves the right to change data and improve electrical & mechanical design without notice, data tolerance

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